AUTODOC CLUB

How to change wheel cylinder on **AUDI 80 B2 (81, 85)** – replacement guide

SIMILAR VIDEO TUTORIAL



This video shows the replacement procedure of a similar car part on another vehicle

Important!

This replacement procedure can be used for:
AUDI 80 B2 (81, 85) 1.6, AUDI 80 B2 (81, 85) 1.6 GLE

The steps may slightly vary depending on the car design.

This tutorial was created based on the replacement procedure for a similar car part on: VW Lupo (6X1, 6E1) 1.4 TDI

REPLACEMENT: WHEEL CYLINDER – AUDI 80 B2 (81, 85). TOOLS YOU'LL NEED:



- Wire brush
- WD-40 spray
- Copper grease
- Combination spanner #7
- Combination spanner #11
- Torx bit T30
- Wheel impact socket #17
- Ratchet wrench
- Torque wrench
- Flat Screwdriver
- Phillips screwdriver
- Wheel chock

Buy tools

Replacement: wheel cylinder – AUDI 80 B2 (81, 85). Tip from AUTODOC:

- Replace the wheel brake cylinders of the rear drum brakes in pairs.
- The replacement procedure is identical for the right and left wheel brake cylinders of the rear drum brakes.
- All work should be done with the engine stopped.

REPLACEMENT: WHEEL CYLINDER – AUDI 80 B2 (81, 85). RECOMMENDED SEQUENCE OF STEPS:

1 Secure the wheels with chocks.



2 Loosen the wheel mounting bolts. Use wheel impact socket #17.



3 Raise the rear of the car and secure on supports.

4 Unscrew the wheel bolts.



AUTODOC recommends:

- Warning! To avoid injury, hold the wheel while unscrewing the fastening bolts. AUDI 80 B2 (81, 85)

5 Remove the wheel.



6 Clean the brake drum fasteners. Use a wire brush. Use WD-40 spray.

7 Unscrew the brake drum fastening. Use a Phillips screwdriver.



8

Remove the brake drum.

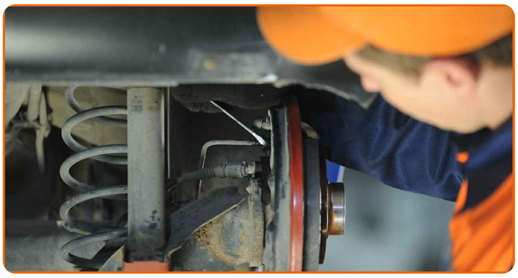


Replacement: wheel cylinder – AUDI 80 B2 (81, 85). Tip from AUTODOC experts:

- Examine the brake drum. Replace it if necessary.

9

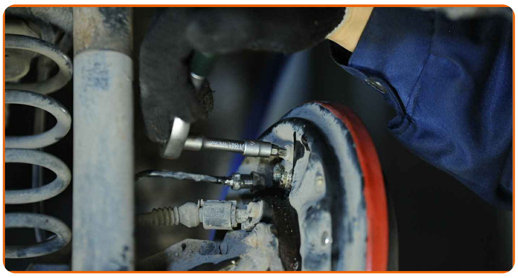
Disconnect the hydraulic line from the wheel cylinder back. Use a combination spanner #11.



Replacement: wheel cylinder – AUDI 80 B2 (81, 85). Tip from AUTODOC:

- Immediately plug the brake line open end to prevent fluid leakage and ingress of dirt into the hydraulic system.

10 Unscrew the brake cylinder fastening bolt. Use Torx T30. Use a ratchet wrench.



11 Remove the brake cylinder from the backplate. Use a flat screwdriver.



12 Clean the brake drum. Use a wire brush. Use WD-40 spray.

13 Clean the brake pipe attachment spot and the brake drum fastening bolts on AUDI 80 B2 (81, 85).

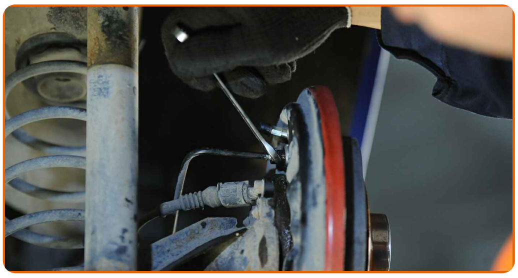
14 Install a new brake cylinder.



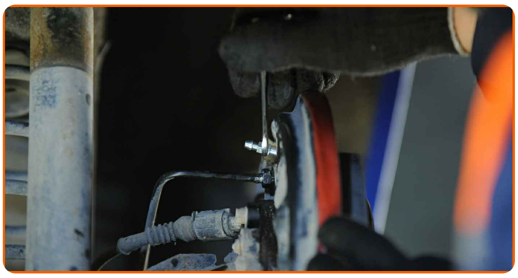
15 Screw the brake cylinder fastening bolts. Use Torx T30. Use a torque wrench. Tighten it to 8 nm torque.



16 Connect the hydraulic line to the wheel cylinder back. Use a combination spanner #11. Use a torque wrench. Tighten it to 14 nm torque.



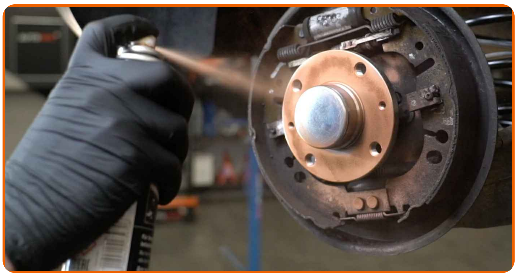
17 Bleed the brake cylinder system. Use a combination spanner #7.



Replacement: wheel cylinder – AUDI 80 B2 (81, 85). Professionals recommend:

- Make sure to set the protection cap on the bleeder valve.

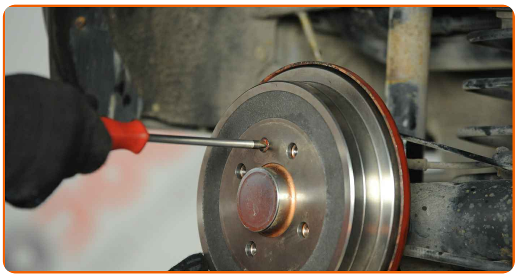
18 Clean the hub. Use a wire brush. Treat the contacting surface. Use copper grease.



19 Install a brake drum.



20 Tigten the brake drum fasteners. Use a Phillips screwdriver. Use a torque wrench. Tighten it to 4 Nm torque.



21 Clean the wheel rim mounting seat. Use a wire brush.

22 Treat the surface where the wheel rim contacts the brake drum. Use copper grease.



23 Install the wheel.



AUTODOC recommends:

- Important! Hold the wheel while screwing in the fastening bolts. AUDI 80 B2 (81, 85)

24 Screw in the wheel bolts. Use wheel impact socket #17.



25 Lower the car and working in a cross order, tighten the wheel bolts. Use wheel impact socket #17. Use a torque wrench. Tighten it to 110 nm torque.



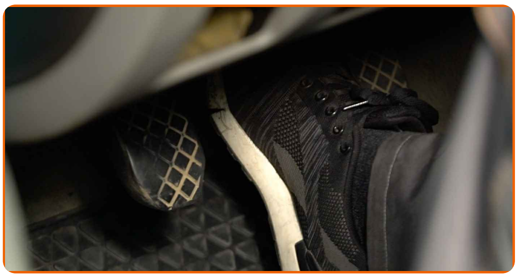
26 Remove the jacks and chocks.



AUTODOC recommends:

- Bleed the brake system after replacing the cylinder on AUDI 80 B2 (81, 85).
- Check the brake fluid level in the expansion tank and refill if necessary.
- Perform test braking when driving at an average speed, the AUDI 80 B2 (81, 85) should not pull to one side.

27 Adjust the gap between the brake shoes and the drum on AUDI 80 B2 (81, 85), pressing the brake pedal 10-15 times.

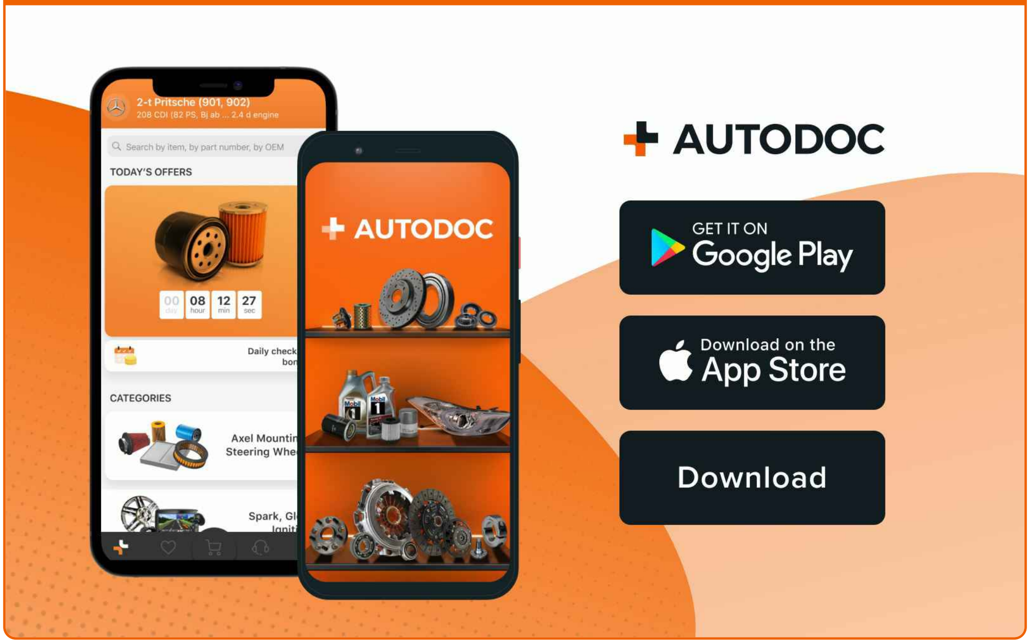


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